

Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 06/27/2012 00:00 EDT, water levels along the western Florida coast remain elevated. Water levels from Cedar Key, FL to Naples, FL range from 1.2 to 2.5 feet above tidal predictions. Water levels from Apalachicola, FL westward are falling and range from 1.0 to 1.25 feet above tidal predictions. Water level stations along the central eastern to north-eastern Florida are elevated 0.4 to 1.7 ft above tidal predictions.

Winds are 14 to 24 knots from Cedar Key to Old Port Tampa with gusts up to 31 knots. Elsewhere winds range from 2 to 17 knots with gusts up to 22 knots.

Barometric pressure is beginning to rise in most locations.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to <u>Mean Lower Low Water</u> are:

Fernandina Beach, FL: Next predicted high tides are 5.9 ft (1.79 m) at 06/27/2012 02:49 EDT and 6.2 ft (1.91 m) at 06/27/2012 15:34 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 4.5 ft (1.36 m) at 06/27/2012 02:34 EDT and 4.7 ft (1.46 m) at 06/27/2012 15:21 EDT.

Trident Pier, FL: Next predicted high tides are 3.3 ft (1.00 m) at 06/27/2012 01:46 EDT and 3.6 ft (1.11 m) at 06/27/2012 14:37 EDT.

Cedar Key, FL: Next predicted high tides are 3.8 ft (1.16 m) at 06/27/2012 08:05 EDT and 3.0 ft (0.92 m) at 06/27/2012 21:06 EDT.

Clearwater Beach, FL: Next predicted high tides are 2.6 ft (0.78 m) at 06/27/2012 05:58 EDT and 1.9 ft (0.57 m) at 06/27/2012 18:49 EDT.

Old Port Tampa, FL: Next predicted high tides are 2.3 ft (0.70 m) at 06/27/2012 09:12 EDT and 1.6 ft (0.50 m) at 06/27/2012 22:05 EDT.

Fort Myers, FL: Next predicted high tides are 1.3 ft (0.40 m) at $06/27/2012 \ 10:35 \text{ EDT}$ and $0.9 \text{ ft} \ (0.29 \text{ m})$ at $06/27/2012 \ 23:19 \text{ EDT}$.

Naples, FL: Next predicted high tides are 2.8 ft (0.84 m) at $06/27/2012 \ 06:51 \text{ EDT}$ and 2.1 ft (0.65 m) at $06/27/2012 \ 19:45 \text{ EDT}$.

Apalachicola, FL: Next predicted high tides are 1.6 ft (0.50 m) at 06/27/2012 10:04 EDT and 1.0 ft (0.32 m) at 06/27/2012 23:56 EDT.

Panama City, FL: Next predicted high tides are 1.1 ft (0.34 m) at 06/27/2012 05:58 CDT and 1.3 ft (0.41 m) at 06/28/2012 06:10 CDT.

Pensacola, FL: Next predicted high tides are 1.1 ft (0.32 m) at 06/27/2012 06:58 CDT and 1.3 ft (0.39 m) at 06/28/2012 07:04 CDT.

For additional data, please see the <u>Center for Operational Oceanographic Products & Services</u> website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see <u>Tidal Datums</u>. For more information or archived products and reports, please see the <u>Storm QuickLook</u> Homepage.

Analyst:DW			

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION DEBBY ADVISORY NUMBER 15 NWS NATIONAL HURRICANE CENTER MIAMI FL AL042012 1100 PM EDT TUE JUN 26 2012

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...CENTER OF DEBBY TURNS SOUTHEASTWARD...EXPECTED TO RESUME AN EASTWARD MOTION LATER TONIGHT...

WATCHES AND WARNINGS

THERE ARE NO COASTAL WATCHES OR WARNINGS IN EFFECT.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM EDT...0300 UTC...THE CENTER OF TROPICAL DEPRESSION DEBBY WAS LOCATED NEAR LATITUDE 29.0 NORTH...LONGITUDE 82.8 WEST. THE DEPRESSION IS MOVING TOWARD THE SOUTHEAST NEAR 7 MPH. A TURN TOWARD THE EAST IS EXPECTED LATER TONIGHT...WITH A MOTION TOWARD THE EAST-NORTHEAST AND AN INCREASE IN FORWARD SPEED EXPECTED ON WEDNESDAY. ON THE FORECAST TRACK...THE CENTER OF DEBBY WILL CROSS THE NORTHERN FLORIDA PENINSULA TONIGHT AND WEDNESDAY MORNING...AND POSSIBLY EMERGE INTO THE ATLANTIC WEDNESDAY AFTERNOON OR WEDNESDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST WHILE THE CENTER IS OVER THE FLORIDA PENINSULA. SLOW STRENGTHENING IS POSSIBLE AFTER THE CENTER REACHES THE ATLANTIC.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON SURFACE OBSERVATIONS IS 1000 MB...29.53 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...EVEN THOUGH DEBBY CONTINUES TO SLOWLY WEAKEN... THE COASTAL FLOODING THREAT HAS NOT FULLY DIMINISHED DUE TO PERSISTENT ONSHORE WINDS. THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS DURING THE NEXT HIGH TIDE WEDNESDAY MORNING. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND... FLORIDA WEST COAST INCLUDING TAMPA BAY...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST SOUTH OF THE CENTER IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA... PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...DEBBY IS EXPECTED TO PRODUCE ADDITIONAL RAIN ACCUMULATIONS OF 2 TO 3 INCHES OVER NORTHERN FLORIDA THROUGH WEDNESDAY EVENING...WITH ISOLATED 5 INCH AMOUNTS POSSIBLE. ISOLATED STORM TOTAL AMOUNTS OF 25 INCHES ARE POSSIBLE IN NORTHERN FLORIDA.

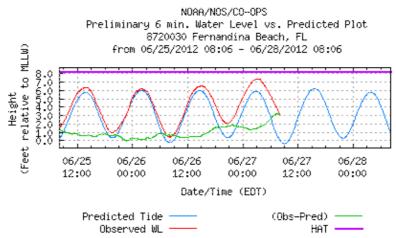
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ACROSS THE FLORIDA PENINSULA TONIGHT.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: Fernandina Beach - Water Level, Fernandina Beach - Winds, Fernandina Beach - Barometric,
Mayport (Bar Pilots Dock) - Water Level, Mayport (Bar Pilots Dock) - Winds, Mayport (Bar Pilots Dock) Barometric, Trident Pier - Water Level, Trident Pier - Winds, Cedar Key - Water Level, Cedar Key - Winds,
Clearwater Beach - Water Level, Clearwater Beach - Winds, Old Port Tampa - Water Level, Old Port Tampa
- Winds, Fort Myers - Water Level, Fort Myers - Winds, Naples - Water Level, Naples - Winds, Apalachicola
- Water Level, Apalachicola - Winds, Panama City - Water Level, Panama City - Winds, Pensacola - Water
Level, Pensacola - Winds,

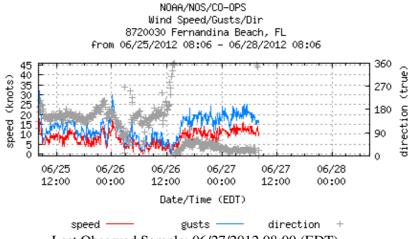
Fernandina Beach, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

Relative to MLLW: Observed: 3.16 ft. Predicted: 0.07 ft. Residual: 3.09 ft. Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

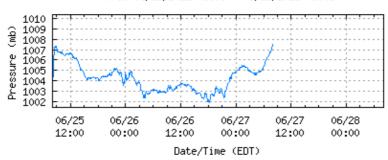
Fernandina Beach, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT) Wind Speed: 10 knots Gusts: 16 knots Direction: 21° T

Fernandina Beach, FL - Return to List

NOAA/NOS/CO-OPS Barometric Pressure Plot 8720030 Fernandina Beach, FL from 06/25/2012 08:06 - 06/28/2012 08:06



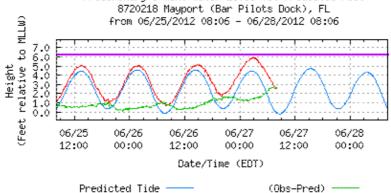
barometric pressure

Last Observed Sample: 06/27/2012 08:00 (EDT)

Barometric Pressure: 1007.5 mb

Mayport (Bar Pilots Dock), FL - Return to List

NOAA/NOS/CO-OPS Preliminary 6 min. Water Level vs. Predicted Plot 8720218 Mayport (Bar Pilots Dock), FL from 06/25/2012 08:06 - 06/28/2012 08:06



Observed WL

Last Observed Sample: 06/27/2012 08:00 (EDT)

HAT

Relative to MLLW: Observed: 2.52 ft. Predicted: -0.12 ft. Residual: 2.64 ft. Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

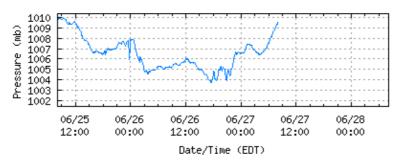
Mayport (Bar Pilots Dock), FL - Return to List

NOAA/NOS/CO-OPS Wind Speed/Gusts/Dir 8720218 Mayport (Bar Pilots Dock), FL from 06/25/2012 08:06 - 06/28/2012 08:06 360 45 40 35 30 25 20 15 10 speed (knots) 270 direction 180 06/26 06/26 06/28 06/27 06/27 06/25 12:00 00:00 12:00 00:00 12:00 00:00 Date/Time (EDT) speed gusts direction

Last Observed Sample: 06/27/2012 08:00 (EDT) Wind Speed: 20 knots Gusts: 28 knots Direction: 21° T

Mayport (Bar Pilots Dock), FL - Return to List

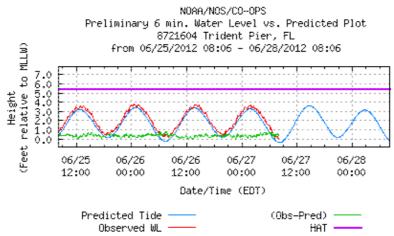
NOAA/NOS/CO-OPS Barometric Pressure Plot 8720218 Mayport (Bar Pilots Dock), FL from 06/25/2012 08:06 - 06/28/2012 08:06



barometric pressure —— Last Observed Sample: 06/27/2012 08:00 (EDT)

Barometric Pressure: 1009.6 mb

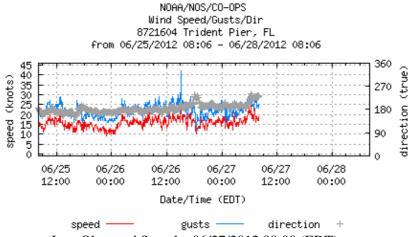
Trident Pier, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

Relative to MLLW: Observed: 0.10 ft. Predicted: -0.37 ft. Residual: 0.47 ft. Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

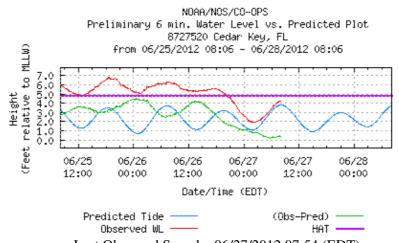
Trident Pier, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 229° T

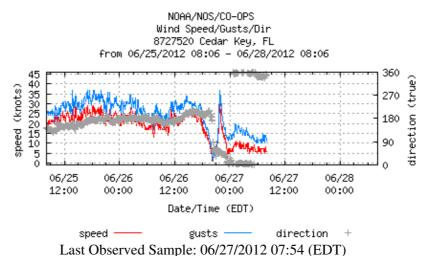
Cedar Key, FL - Return to List



Last Observed Sample: 06/27/2012 07:54 (EDT)

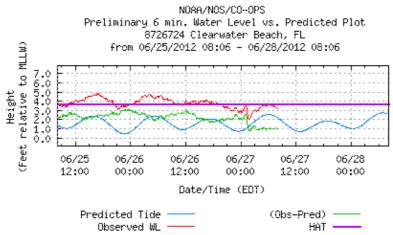
Relative to MLLW: Observed: 4.23 ft. Predicted: 3.80 ft. Residual: 0.43 ft. Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

Cedar Key, FL - Return to List



Wind Speed: 6 knots Gusts: 11 knots Direction: 348° T

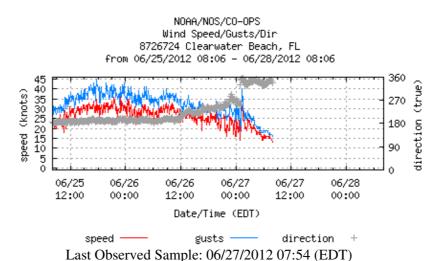
Clearwater Beach, FL - Return to List



Last Observed Sample: 06/27/2012 07:54 (EDT)

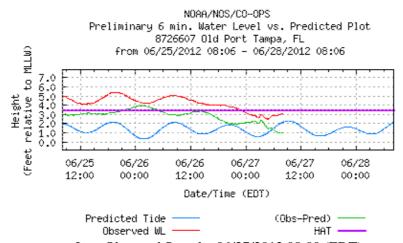
Relative to MLLW: Observed: 3.22 ft. Predicted: 2.23 ft. Residual: 0.99 ft. Historical Maximum Water Level: Mar 13 1993, 4 ft. above MHHW

Clearwater Beach, FL - Return to List



Wind Speed: 13 knots Gusts: 16 knots Direction: 336° T

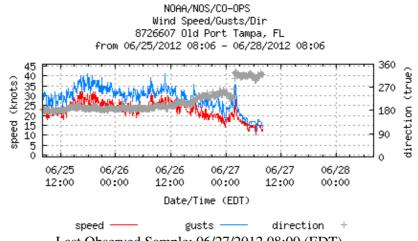
Old Port Tampa, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)
Relative to MLLW: Observed: 3.12 ft. Predicted: 2.16 ft. Residual: 0.96 ft.

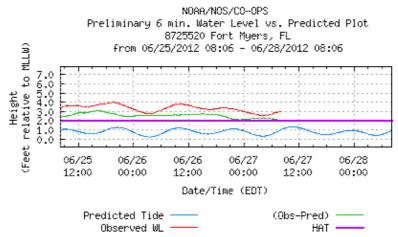
Historical Maximum Water Level: Oct 8 1996, 3.6 ft. above MHHW

Old Port Tampa, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT) Wind Speed: 12 knots Gusts: 14 knots Direction: 320° T

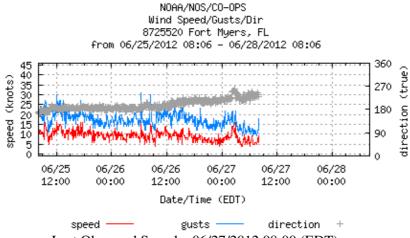
Fort Myers, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

Relative to MLLW: Observed: 2.95 ft. Predicted: 0.99 ft. Residual: 1.96 ft. Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

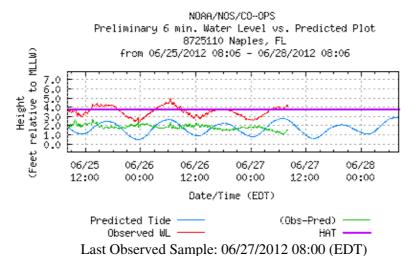
Fort Myers, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

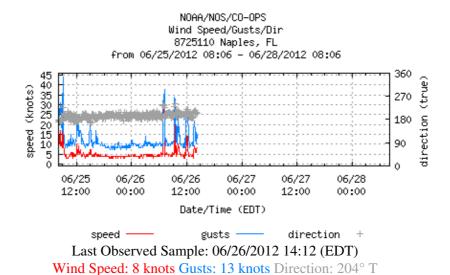
Wind Speed: 9 knots Gusts: 18 knots Direction: 239° T

Naples, FL - Return to List

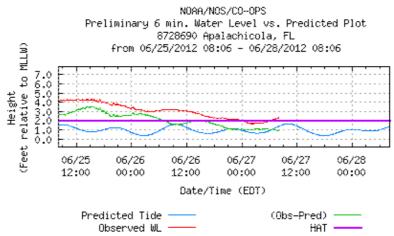


Relative to MLLW: Observed: 4.14 ft. Predicted: 2.62 ft. Residual: 1.52 ft. Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

Naples, FL - Return to List



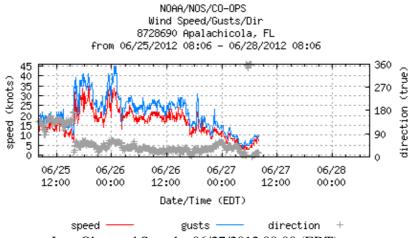
Apalachicola, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT)

Relative to MLLW: Observed: 2.32 ft. Predicted: 1.38 ft. Residual: 0.94 ft. Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

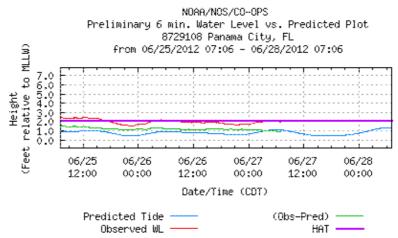
Apalachicola, FL - Return to List



Last Observed Sample: 06/27/2012 08:00 (EDT) Wind Speed: 7 knots Gusts: 9 knots Direction: 14° T

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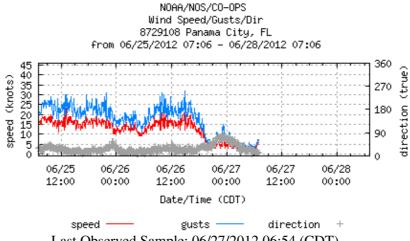
Panama City, FL - Return to List



Last Observed Sample: 06/27/2012 06:54 (CDT)

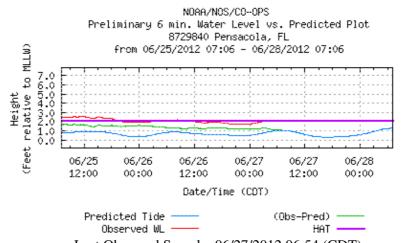
Relative to MLLW: Observed: 1.97 ft. Predicted: 1.09 ft. Residual: 0.88 ft. Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL - Return to List



Last Observed Sample: 06/27/2012 06:54 (CDT) Wind Speed: 6 knots Gusts: 7 knots Direction: 12° T

Pensacola, FL - Return to List

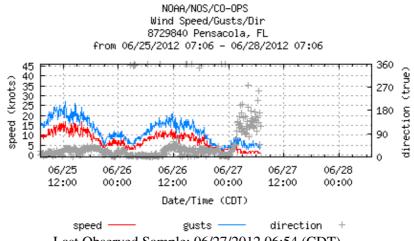


Last Observed Sample: 06/27/2012 06:54 (CDT)

ILLW: Observed: 2.15 ft. Predicted: 1.05 ft. Residual:

Relative to MLLW: Observed: 2.15 ft. Predicted: 1.05 ft. Residual: 1.10 ft. Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List



Last Observed Sample: 06/27/2012 06:54 (CDT) Wind Speed: 1 knots Gusts: 4 knots Direction: 119° T

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS) National Oceanic and Atmospheric Administration | U.S. Department of Commerce